

COPY

PATENT

Docket No. 150.00880103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Derderian et al.) Group Art Unit: 2818
Serial No.: 10/045,345) Examiner: Dang, Phuc T.
Confirmation No.: 1310)
Filed: 25 October 2001)
For: **METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS
AND STRUCTURES/METHODS USING SAME**

FACSIMILE TRANSMISSION TO THE PTO

Assistant Commissioner for Patents
Attn: Examiner Phuc T. Dang
Washington, D.C. 20231

FAX NUMBER: 703-872-9318
Total Pages (including cover page): 3
Time: 1:55pm (Central Time)
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The following papers are being transmitted to the Patent and Trademark Office by facsimile transmission: **Response to Restriction Requirement (2 pgs.)**

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Mueting, Raasch & Gebhardt, P.A.
Customer Number: 26813



26813

PATENT TRADEMARK OFFICE

30 Dec 2002
Date

By: [Signature]
Mark J. Gebhardt
Reg. No. 35,518
Direct Dial (612)305-1216

CERTIFICATE UNDER 37 C.F.R. §1.8: The undersigned hereby certifies that this Facsimile Cover Sheet and the paper(s), as described hereinabove, are being transmitted by facsimile in accordance with 37 CFR §1.6(d) to the Patent and Trademark Office addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on this 30th day of December, 2002, at 1:55pm (Central Time).

December 30, 2002
Date

Signature: [Signature]
Name: SARA E. OLSON

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PATENT
Docket No. 150.00880103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Derderian et al.)	Group Art Unit:	2818
Serial No.:	10/045,345)	Examiner:	Dang, Phuc T.
Confirmation No.:	1310)		
Filed:	25 October 2001)		
For:	<u>METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS AND STRUCTURES/METHODS USING SAME</u>			

FACSIMILE TRANSMISSION TO THE PTO

Assistant Commissioner for Patents
Attn: Examiner Phuc T. Dang
Washington, D.C. 20231

FAX NUMBER: 703-872-9318
Total Pages (including cover page): 3
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Mueeting, Raasch & Gebhardt, P.A.
Customer Number: 26813



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Page 001

TO:Auto-reply fax to 6123051228 COMPANY:

COPY**Auto-Reply Facsimile Transmission****UNITED STATES
PATENT AND
TRADEMARK OFFICE**

TO:

Fax Sender at 6123051228

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12/30/2002 13:13 FAX 6123051228		MUETING RAASCH GEBHAUER		0009	
			PATENT		
			DocId: No. 150.00880105		
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE					
Applicant(s): Dardarian et al.		Group Art Unit: 2818			
Serial No.: 10/045,345		Examiner: Ding, Ping T.			
Confirmation No.: 1310					
Filed: 28 October 2001					
For: METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS AND STRUCTURES/METHODS USING SAME					
FACSIMILE TRANSMISSION TO THE PTO					
Assignment Commissioner for Patents		FAX NUMBER: 703-872-9218			
A/Asst Examiner, Ping T. Ding		Total Pages (including cover page): 3			
Washington, D.C. 20231		Time: 1:52 PM (Central Time)			
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The following papers are being transmitted to the Patent and Trademark Office by facsimile transmission: <u>Remarks in Response to Examination Report (2 pgs.)</u>					
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Mueeting, Ranaach & Gebhaue, P.A. Customer Number: 20813					
26813					
30 Dec 2002		By: <u>[Signature]</u>			
Date		Mark J. Gebhardt			
		Reg. No. 24,818			
		Direct Dial (612)305-1216			
CERTIFICATE UNDER 37 C.F.R. 1.6 The undersigned hereby certifies that this Facsimile Cover Sheet and the papers, as described hereinafter, are being transmitted by facsimile in accordance with 37 CFR 1.6(d) to the Patent and Trademark Office addressed to Assignment Commissioner for Patents, Washington, D.C. 20231, on this <u>30th</u> day of <u>December</u> , 2002, at <u>1:52 PM</u> (Central Time).					
<u>December 30, 2002</u>		Signed: <u>[Signature]</u>			
Date		Name: <u>Mark J. Gebhardt</u>			
If you do not receive all pages, please contact us at (612)305-1228 (fax) or (612)305-1228 (tel).					
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Exhibit B

COPYPATENT
Docket No.150.00880103**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Derderian et al.)
Serial No.: 10/045,345)
Confirmation No.: 1310)
Filed: 25 October 2001)
For: METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS
AND STRUCTURES/METHODS USING SAME)

Group Art Unit: 2818
Examiner: Phuc T. Dang

FACSIMILE TRANSMISSION TO THE PTO

Assistant Commissioner for Patents
Attn: Examiner Phuc T. Dang
P.O. Box 1450
Alexandria, VA 22313-1450

FAX NUMBER: 703-308-7722
Total Pages (including cover page): 5
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The following papers are being transmitted to the Patent and Trademark Office by facsimile transmission: Copy of previously submitted facsimile Transmission to the PTO cover sheet (1 pg.); Copy of previously submitted Response to Restriction Requirement (2 pgs.); Copy of Auto Reply Facsimile Transmission from the PTO (1 pg.)

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Mueting, Raasch & Gebhardt, P.A.
Customer Number: 26813



26813

PATENT TRADEMARK OFFICE

27 May 2003
Date

By: [Signature]
Mark J. Gebhardt
Reg. No. 35,518
Direct Dial (612)305-1216

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May 27, 2003
Date

Signature: [Signature]Name: SARA E. OLSON

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PATENT
Docket No.150.00880103**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s):	Derderian et al.)	Group Art Unit:	2818
)		
Serial No.:	10/045,345)	Examiner:	Phuc T. Dang
Confirmation No.:	1310)		
)		
Filed:	25 October 2001)		
)		
For:	<u>METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS AND STRUCTURES/METHODS USING SAME</u>			

FACSIMILE TRANSMISSION TO THE PTOAssistant Commissioner for Patents
Attn: Examiner Phuc T. Dang
P.O. Box 1450
Alexandria, VA 22313-1450FAX NUMBER: 703-308-7722
Total Pages (including cover page): 5
Time: 9:37am (Central Time)
(Transmission must be complete by
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The following papers are being transmitted to the Patent and Trademark Office by facsimile transmission: Copy of previously submitted facsimile Transmission to the PTO cover sheet (1 pg.); Copy of previously submitted Response to Restriction Requirement (2 pgs.); Copy of Auto Reply Facsimile Transmission from the PTO (1 pg.)

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Mueting, Raasch & Gebhardt, P.A.
Customer Number: 26813

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PATENT TRADEMARK OFFICE

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Page 001

TO:Auto-reply fax to 6123051228 COMPANY:

COPY**Auto-Reply Facsimile Transmission**

UNITED STATES
PATENT AND
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12/30/2002 13:33 FAX 6123051228		MUETING RAASCH GEBHARD		001	
			PATENT		
			Docket No. 190.00000103		
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE					
Applicant(s):	Dardarian et al.	Group Art Unit:	2818		
Serial No.:	10/045,345	Examiner:	Dress, Peter T.		
Confirmation No.:	1310				
Filed:	25 October 2001				
For:	METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS AND STRUCTURES/METHODS USING SAME				
FACSIMILE TRANSMISSION TO THE PTO					
Assistant Commissioner for Patents Anne E. Kohnen, Ph.D. Washington, D.C. 20231		FAX NUMBER: 703-872-9318 Total Pages (including cover page): 3 Time: 1:55 PM (Central Time) (Transmission will be complete by midnight eastern time.)			
The following papers are being transmitted to the Patent and Trademark Office by facsimile transmission: <u>Response to Restriction Requirement (2 pp.)</u>					
Please consider this a PETITION FOR EXTENSION OF TIME for a maximum number of months to enter these papers and please charge any additional fee or credit overpayment to Deposit Account No. 12-0005.					
Mueeting, Raasch & Gebhardt, P.A. Customer Number 25913					
26813					
30 Dec 2002		By: <u>[Signature]</u>			
Date		Mark J. Gebhardt Reg. No. 14,518 Direct Dial (612)305-1216			
CERTIFICATE UNDER 37 C.F.R. 81.9 The undersigned hereby certifies that this Facsimile Cover Sheet and the papers(s) so described hereinabove, are being transmitted by facsimile in accordance with 37 C.F.R. 81.4(f) to the Patent and Trademark Office addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on this <u>30th</u> day of <u>December</u> , 2002, at <u>1:55 PM</u> (Central Time).					
<u>Dress, Peter T.</u>		Signature: <u>[Signature]</u>			
Date		Name: <u>SALE A. CASON</u>			
If you do not receive all pages, please contact us at (612)305-1228 (toll) or (612)305-1228 (fax).					
Received from (612)3051228 at 12/30/02 2:52:00 PM [Eastern Standard Time]					

PATENT
Docket No. 150.00880103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Derderian et al.)
Serial No.: 10/045,345)
Confirmation No.: 1310)
Filed: 25 October 2001)
For: METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS
AND STRUCTURES/METHODS USING SAME

Group Art Unit: 2818
Examiner: Phuc Dang

FACSIMILE TRANSMISSION TO THE PTO

Mail Stop 17
Director of the US Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

FAX NUMBER: 703-308-5077
Total Pages (including cover page): 15
Time: 1:39pm (Central Time)
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The following papers are being transmitted to the Patent and Trademark Office by facsimile transmission: Refund Request (2 pgs.); copy of June Deposit Account Statement (1 pg.); Exhibit A (5 pgs.); Exhibit B (6 pgs.)

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895.

Mueting, Raasch & Gebhardt, P.A.
Customer Number: 26813



26813

PATENT TRADEMARK OFFICE

18 June 2003
Date

By: Mark J. Gebhardt
Mark J. Gebhardt
Reg. No. 35,518
Direct Dial (612)305-1216

CERTIFICATE UNDER 37 C.F.R. §1.8: The undersigned hereby certifies that this Facsimile Cover Sheet and the paper(s), as described hereinabove, are being transmitted by facsimile in accordance with 37 CFR §1.6(d) to the Patent and Trademark Office addressed to Mail Stop 17, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on this 18th day of June, 2003, at 1:35pm (Central Time).

June 18, 2003
Date

Signature: SARA E. OLSON

Name: SARA E. OLSON

If you do not receive all pages, please contact us at (612)305-1220 (ph) or (612)305-1228 (fax).

Exhibit A

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PATENT

Docket No. 150.00880103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Derderian et al.

Group Art Unit: 2818

Serial No.: 10/045,345

Examiner: Dang, Phuc T.

Confirmation No.: 1310

Filed: 25 October 2001

For: **METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS
AND STRUCTURES/METHODS USING SAME****RESPONSE TO RESTRICTION REQUIREMENT**Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In the Restriction Requirement dated 29 November 2002, the Examiner issued the following restrictions: Group I, claims 1-29 and 44-45; Group II, claims 30-40; Group III, claims 46-60; and Group IV, claims 61-68.

On 10 December 2002, Applicants' Representative, Jay Pralle, spoke with the Examiner regarding the pending Restriction Requirement. Mr. Pralle informed the Examiner that claims 1-45 had been cancelled in the Request for Filing a Divisional Patent Application Under Rule 1.53(b) dated 25 October 2001, and, therefore, the Restriction Requirement including such cancelled claims was inaccurate. The Examiner responded that he would withdraw all pending restrictions and send to Applicants confirmation of such withdrawal. As of the one month date of the pending Restriction Requirement, Applicants have not received written confirmation of this withdrawal. It is Applicants' understanding that no Restriction Requirement is currently pending.

In the event, however, that the pending Restriction Requirement has not been withdrawn, Applicants elect, with traverse, Group III (claims 46-60), drawn to a method for use in forming a capacitor. Applicants' Representatives reserve the right to pursue examination of the non-elected claims in continuation or divisional applications. Applicants respectfully request reconsideration of the restrictions in this case and submit that the inventions as claimed can be readily evaluated in one search without placing undue burden on the Examiner.

COPY**Response to Restriction Requirement**

Page 2 of 2

Applicant(s): Derderian et al.

Serial No.: 10/045,345

Confirmation No.: 1310

Filed: 25 October 2001

For: METHODS FOR FORMING ROUGH RUTHERFORD-CONTAINING LAYERS AND
STRUCTURES/METHODS USING SAME

The Examiner is invited to contact Applicants' Representatives, at the below-listed telephone number, if there are any questions regarding this Response or if prosecution of this application may be assisted thereby.

CERTIFICATE UNDER 37 C.F.R. § 1.8:

The undersigned hereby certifies that this paper is being transmitted by facsimile in accordance with 37 C.F.R. § 1.6(d) to the Patent and Trademark Office, addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on this 30th day of December, 2002, at 1:55pm (Central Time).

Sara E. Olson
Name: SARA E. OLSON

Respectfully submitted for

Micron Technology, Inc.,

By

Mueeting, Raasch & Gebhardt, P.A.

P.O. Box 581415

Minneapolis, MN 55458-1415

Phone: (612)305-1220

Facsimile: (612)305-1228

Customer Number 26813



26813

PATENT TRADEMARK OFFICE

30 Dec 2002

Date

By: Mark J. Gebhardt

Mark J. Gebhardt

Reg. No. 35,518

Direct Dial (612)305-1216

PATENT

Docket No.150.00880103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Derderian et al. Group Art Unit: 2818
Serial No.: 10/045,345 Examiner: Phuc Dang
Confirmation No.: 1310
Filed: 25 October 2001
For: METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS
AND STRUCTURES/METHODS USING SAME

REFUND REQUEST

Mail Stop 17
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

On June 5, 2003, a fee of \$1,970 was charged to our Deposit Account No. 13-4895 (See copy of deposit account statement dated June 17, 2003). For the following reasons, we believe that this fee was erroneously charged to our deposit account, and a refund is respectfully requested.

On December 30, 2002, we filed a Response to Restriction Requirement via facsimile. This response was filed within the 1 month due date of time. An auto-reply facsimile transmission document was received from the PTO on December 30, 2002. Attached and labeled as Exhibit A, is a copy of the Response to Restriction Requirement, Facsimile Transmission to the PTO cover sheet, copy of our transmission report stating that the transmission was completed, and an Auto-Reply Facsimile Transmission from the PTO.

On May 22, 2003, a telephone message was received from Examiner Phuc Dang stating that he did not receive our Restriction Requirement Response and we should resend the Response to his facsimile number.

On May 27, 2003, we resent, to the Examiner's facsimile number, a copy of the previously submitted Transmission to the PTO cover sheet, copy of the previously submitted Response to Restriction Requirement, and a copy of the Auto Reply Facsimile transmission from the PTO. A copy of these documents, including a copy of our May 27, 2003 facsimile transmission and copy of our transmission report stating that the transmission was completed, is

Refund Request

Serial No.: 10/045,345

Confirmation No.: 1310

Filed: October 25, 2001

Title: METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS AND
STRUCTURES/METHODS USING SAME

Page 2 of 2

attached and labeled Exhibit B.

Applicants respectfully request that the amount of \$1,970 be refunded. If there are any questions concerning this request, please do not hesitate to telephone the undersigned attorney at 612-305-1216.

Respectfully submitted for

Micron Technology, Inc.

By
Mueiting, Raasch & Gebhardt, P.A.
P.O. Box 581415
Minneapolis, MN 55458-1415
Phone: (612)305-1220
Facsimile: (612)305-1228
Customer Number 26813



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Sara E. Olson
Name Sara E. OLSON

18 June 2003
Date

By: Mark J. Gebhardt
Mark J. Gebhardt
Reg. No. 35,518
Direct Dial (612)305-1216